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TITLE: The Role of Heparin-Binding EGF-Like Growth Factor in Breast Cancer

PRINCIPAL INVESTIGATOR: Dr. David Salomon

CONTRACTING ORGANIZATION: National Institutes of Health

Bethesda, Maryland 20892

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See statement on page 4.

Heparin-Binding EGF, EGF Receptor, Steroid Hormones, Transformation, Oncogenes, Autocrine Growth Factors, Humans, Anatomical Samples, Breast Cancer

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FOREWORD

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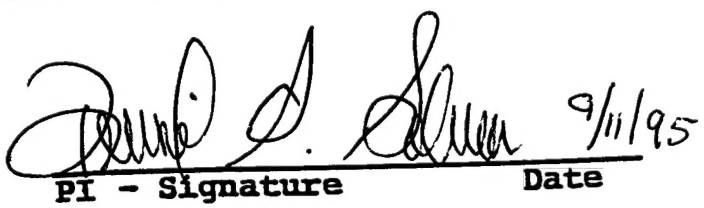

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PI - Signature Date

Summary of Grant Number DAMD17-94-J-4498

To date no monies have been utilized from the postdoctoral research support grant that was awarded to Dr. Isabelle M. Lacaci. Dr. Lacaci just started to work in my laboratory as of September 5, 1995. She just recently received her Ph. D. degree from Georgetown University in Washington, DC. Dr. Lacaci will be assessing the EGF-related peptide, heparin binding EGF-like growth factor (HB-EGF). Dr. Lacaci will be assessing whether this cytokine is expressed in human breast cancer cells and whether its expression is regulated by hormones that are central in the development of breast cancer. In addition, Dr. Lacai will be determining whether HB-EGF is functioning as an autocrine growth factor for breast cancer cells and if so does interference in its expression perturb the growth of breast cancer cells.